

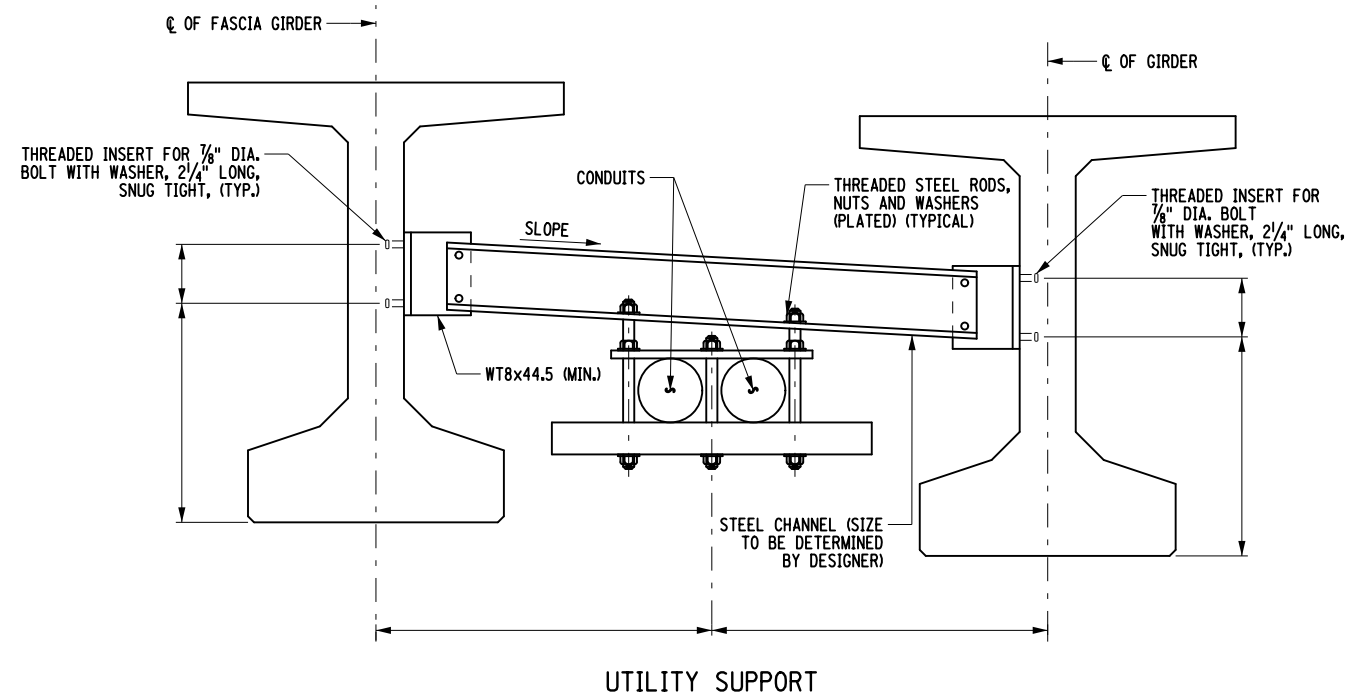
## DESIGNER NOTES:

THE NUMBER OF BOLTS AND INSERTS AT THE UTILITY SUPPORT CONNECTIONS MUST BE DESIGNED.

OPENINGS MAY BE CUT IN THE WEB OF END DIAPHRAGMS TO ACCOMMODATE UTILITIES.

THE DISTANCE FROM THE BOTTOM OF THE BEAM TO THE THREADED INSERTS SHALL BE SET EQUAL FOR EACH BEAM.

WHEN WEB OPENINGS ARE REQUIRED FOR UTILITIES, BOTH THE MEMBER SIZE AND WEB OPENING REINFORCEMENT TO BE DETERMINED BY THE DESIGNER.




## NOTES:

CONDUITS, SPACER BARS, SPACER TUBES, WASHERS, NUTS, ETC. WILL BE FURNISHED AND INSTALLED BY THE UTILITY COMPANY WITH THE COST TO BE INCLUDED IN THE PRICE BID FOR THE UTILITY ITEM. THE CONTRACTOR SHALL PROVIDE HOLES IN DIAPHRAGM ANGLES FOR UTILITY CONNECTIONS.

THREADED INSERTS FOR 7/8" DIA. BOLTS SHALL BE CAST IN THE PRECAST BEAMS. THE 7/8" DIA. H.S. THREADED INSERTS SHALL PROVIDE A MINIMUM ULTIMATE TENSILE CAPACITY OF 11 kips IN 7.5 ksi CONCRETE.

THREADED INSERTS IN BEAMS SHALL BE MECHANICAL CONNECTORS (MEETING THE REQUIREMENTS OF ITEM 709-10) AND GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.

ALL INSERTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE N.Y.S. STD. SPECIFICATIONS SUBSECTION 719-01.

REVISED	 <b>NEW YORK</b> STATE OF OPPORTUNITY.	<b>Department of Transportation</b> <b>Office of Structures</b>
	<b>PRESTRESSED CONCRETE</b> <b>NEBT / PCEF / AASHTO I BEAMS</b> <b>UTILITY SUPPORT DETAILS</b>	
ERRATA		
	APPROVED: 02/17/17 ORIGINAL SIGNED BY <u>RICHARD MARCHIONE, P.E.</u> DEPUTY CHIEF ENGINEER (STRUCTURES)	ISSUED UNDER EB 17-010 EFFECTIVE WITH THE LETTING OF 09/01/17